

TABLE 22. U.S. citizen and permanent resident doctorate recipients, by race/ethnicity and major field of study: 2009
(Percent distribution)

Field of study	All U.S. citizen and permanent resident doctorate recipients (number)	Percent							
		Total	American Indian ^a	Asian	Black	Hispanic ^b	White	Two or more races	Other/unknown ^c
All fields	32,231	100.0	0.5	8.3	6.9	5.8	74.6	2.0	1.9
Life sciences	7,783	100.0	0.4	10.3	5.4	5.0	75.2	2.0	1.7
Agricultural sciences/natural resources	710	100.0	0.6	4.5	4.9	4.8	81.0	1.8	2.4
Biological/biomedical sciences	5,513	100.0	0.3	11.4	4.4	5.5	74.5	2.1	1.7
Health sciences	1,560	100.0	0.5	9.0	9.1	3.3	75.1	1.7	1.3
Physical sciences	4,414	100.0	0.2	9.9	3.1	4.2	78.7	1.8	2.2
Chemistry	1,390	100.0	0.3	9.5	4.5	5.5	76.7	1.7	1.9
Computer and information sciences	735	100.0	0.0	17.0	3.8	2.7	72.1	2.3	2.0
Earth, atmospheric, and ocean sciences	556	100.0	0.4	3.6	1.4	4.5	86.3	1.4	2.3
Mathematics	772	100.0	0.4	10.9	3.2	4.7	76.8	1.9	2.1
Physics and astronomy	961	100.0	0.0	7.7	1.2	3.0	83.6	1.7	2.8
Social sciences	5,605	100.0	0.5	6.3	6.8	7.1	74.6	2.7	2.0
Anthropology	403	100.0	0.2	4.2	5.7	9.2	75.4	3.2	2.0
Economics	415	100.0	0.0	13.7	3.1	2.4	76.1	1.7	2.9
Political science/international relations	482	100.0	0.8	6.2	6.0	5.2	74.1	3.5	4.1
Psychology	2,896	100.0	0.4	5.1	6.3	7.8	76.2	2.8	1.5
Sociology	507	100.0	0.2	7.7	8.7	6.3	72.8	2.8	1.6
Other social sciences	902	100.0	1.0	7.0	10.0	7.3	70.1	2.3	2.3
Engineering	3,148	100.0	0.4	16.3	4.3	5.0	69.8	1.9	2.4
Aerospace/aeronautical engineering	159	100.0	0.6	9.4	1.9	6.3	76.7	1.3	3.8
Chemical engineering	411	100.0	0.7	13.9	3.2	5.8	73.2	1.5	1.7
Civil engineering	261	100.0	0.0	11.1	3.4	6.1	77.4	0.4	1.5
Electrical/electronics engineering	577	100.0	0.3	27.6	4.9	4.0	59.8	1.4	2.1
Industrial/manufacturing engineering	70	100.0	1.4	21.4	8.6	8.6	55.7	1.4	2.9
Materials science engineering	251	100.0	0.4	12.7	6.8	3.6	70.5	2.8	3.2
Mechanical engineering	421	100.0	0.5	11.4	4.8	5.5	73.6	1.9	2.4
Other engineering	998	100.0	0.2	15.8	3.8	4.7	70.3	2.6	2.5
Education	5,566	100.0	0.8	3.9	14.5	6.9	70.8	1.6	1.4
Education administration	1,971	100.0	1.0	2.3	18.4	7.2	68.4	1.6	1.0
Education research	2,222	100.0	0.9	4.5	12.4	6.8	72.2	1.8	1.4
Teacher education	261	100.0	0.8	3.4	17.2	3.8	72.0	0.8	1.9
Teaching fields	741	100.0	0.3	5.5	9.9	5.0	76.8	1.2	1.3
Other education	371	100.0	0.5	6.2	14.0	12.4	62.3	1.3	3.2
Humanities	3,880	100.0	0.4	5.2	4.3	6.6	79.2	2.2	2.1
Foreign language and literature	387	100.0	0.5	5.4	2.8	23.3	64.3	1.3	2.3
History	876	100.0	0.2	4.0	5.6	5.4	79.9	2.2	2.7
Letters	1,166	100.0	0.3	5.5	3.9	3.9	82.7	2.2	1.5
Other humanities	1,451	100.0	0.6	5.7	4.3	5.1	80.0	2.3	2.0
Other non-S&E fields	1,835	100.0	0.3	8.9	9.6	5.1	72.5	1.7	1.9
Business and management	776	100.0	0.4	11.0	9.4	5.2	70.5	2.1	1.5
Communication	442	100.0	0.5	6.6	8.4	2.5	78.3	1.1	2.7
Fields not elsewhere classified	617	100.0	0.2	8.1	10.7	6.8	70.8	1.8	1.6

^a Includes Alaska Natives.

^b Persons reporting Hispanic ethnicity, whether singly or in combination with one or more races, are included in the respondent-selected Hispanic ethnicity category.

^c Includes doctorate recipients who did not indicate their race and ethnicity, non-Hispanic doctorate recipients who did not indicate their race, and non-Hispanic Native Hawaiian or Other Pacific Islanders.

NOTES: Major field of study definitions are detailed in appendix A. Due to rounding, the sum of percentages may not equal to 100.

SOURCE: NSF/NIH/USED/USDA/NEH/NASA, 2009 Survey of Earned Doctorates.